

Christer Jansson, Ph.D.

Senior Staff Scientist, Bioenergy Program Lead – Earth Sciences Division, LBNL

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<http://esd.lbl.gov/about/staff/christerjansson/>

EDUCATION AND TRAINING

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|---------------------------|---------------------------|---------|---------|
| Lund University, Sweden | Biochemistry/Microbiology | B.S. | 1978 |
| Lund University, Sweden | Biochemistry | Ph.D. | 1984 |
| Michigan State University | Molecular Microbiology | Postdoc | 1984-86 |

PROFESSIONAL EXPERIENCE

- Senior Staff Scientist, Earth Sciences Division (ESD), Lawrence Berkeley Lab (LBNL), Berkeley, USA (2008 – present)
Research revolves around bioengineering of plants and cyanobacteria with emphasis on understanding and exploiting photosynthesis, lipid and carbohydrate metabolism and source-sink interactions. I'm the lead-PI for two ARPA-E projects, "FOLIUM" aiming at using synthetic biology and metabolic engineering to establish tobacco as a platform for foliar production of advanced hydrocarbon biofuels, and "METHYLASE" with focus on using enzyme and metabolic engineering to design a novel enzyme and metabolic pathway for conversion of methane to liquid transportation fuels.
- Program Lead, Bioenergy, ESD, LBNL (2011-present)
- Head of Department, Professor/Chair, Mol. Biol., Dept. of Plant Biology & Forest Genetics, Swedish Univ. of Agricultural Sciences (SLU), Uppsala BioCenter, Uppsala, Sweden (2005 – 2007)
Research was centered on photosynthesis in cyanobacteria and metabolic engineering of starch biosynthesis in cereals.
- Professor/Chair in Mol. Cell Biol., SLU (1999-2008)
- Professor in Biochemistry, Dept. of Biochemistry, Stockholm Univ. (1987-1999)
Research on photosynthesis in cyanobacteria.

SCIENTIFIC OUTPUT

- 109 accepted articles in journals or books.
- Invited and participated in a large number of international and national conferences and meetings.
- 11 Ph.D. students have graduated in my group since 1992.

SYNERGISTIC ACTIVITIES & COMMISIONS

- Member of the Editorial Board for J. Biosci. Medicine (2013-)
- Scientific Advisor for the company Algasol Renewables (2013-)
- Member of the Institutional Biosafety Committee, LBNL (2012-)
- Scientific Advisor for the company Kiverdi, Inc (2009-)
- Member of the Evaluation Committee for Organism Biology, the Swedish Research Council (2001-2007)
- Member of the Committee for Molecular Biology & Biochemistry at the Swedish Royal Academy of Sciences, KVA (1999-2005)
- Frequent evaluator of manuscripts, research proposals and career performances (2000-)